

Company: Ritchie Exploration, Inc.

Lease: Anderson-Schwartz

Trust #1

SEC: 32 TWN: 19S RNG: 30W

County: LANE State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 12

Elevation: 2927 EGL

Field Name: Sutton Township

Pool: Infield Job Number: 312

DATEMarch **12**2019

DST #6 Formation: Spergen Test Interval: 4634 - Total Depth: 4648'

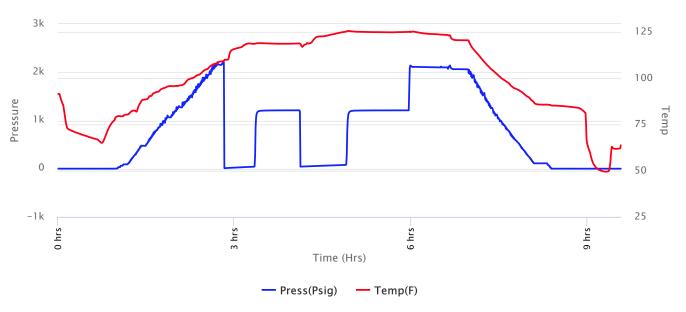
Time On: 23:12 03/12 Time Off: 08:31 03/13

Time On Bottom: 01:56 03/13 Time Off Bottom: 05:01 03/13

Electronic Volume Estimate: 196' 1st Open Minutes: 30 Current Reading: 3.0" at 30 min Max Reading: 3.0" 1st Close Minutes: 45 Current Reading: 0" at 45 min Max Reading: 0"

2nd Open Minutes: 45 Current Reading: 3.1" at 45 min Max Reading: 3.1" 2nd Close Minutes: 65 Current Reading: 0" at 65 min Max Reading: 0"

Inside Recorder





Company: Ritchie Exploration,

Inc.

Lease: Anderson-Schwartz

Trust #1

SEC: 32 TWN: 19S RNG: 30W County: LANE

State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 12

Elevation: 2927 EGL

Field Name: Sutton Township

Pool: Infield Job Number: 312

DATE	
March	
12	
2019	

DST #6	Formation: Spergen	Test Interval: 4634 -	Total Depth: 4648'
	. •	4648'	•

Time On: 23:12 03/12 Time Off: 08:31 03/13

Time On Bottom: 01:56 03/13 Time Off Bottom: 05:01 03/13

Recovered

<u>Foot</u>	<u>BBLS</u>	Description of Fluid	<u>Gas %</u>	<u>Oil %</u>	Water %	<u>Mud %</u>
10	0.0492	0	0	100	0	0
85	0.4182	SLOCM	0	8	0	92
60	0.2952	SLOCHWCM	0	6	42	52

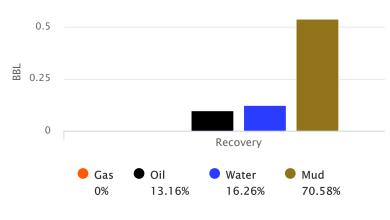
Total Recovered: 155 ft

Total Barrels Recovered: 0.7626

Reversed Out
NO

Initial Hydrostatic Pressure	2171	PSI
Initial Flow	11 to 41	PSI
Initial Closed in Pressure	1210	PSI
Final Flow Pressure	43 to 78	PSI
Final Closed in Pressure	1209	PSI
Final Hydrostatic Pressure	2138	PSI
Temperature	126	°F
Pressure Change Initial	0.1	%
Close / Final Close		

Recovery at a glance



GIP cubic foot volume: 0



Company: Ritchie Exploration, Inc.

Lease: Anderson-Schwartz

Trust #1

SEC: 32 TWN: 19S RNG: 30W

County: LANE State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 12

Elevation: 2927 EGL

Field Name: Sutton Township

Pool: Infield Job Number: 312

DATEMarch **12**2019

DST #6 Formation: Spergen Test Interval: 4634 - Total Depth: 4648'

4648'

Time On: 23:12 03/12 Time Off: 08:31 03/13

Time On Bottom: 01:56 03/13 Time Off Bottom: 05:01 03/13

BUCKET MEASUREMENT:

1st Open: Surface blow building to 3 1/4"

1st Close: No BB

2nd Open: Surface blow building to 3"

2nd Close: No BB

REMARKS:

On final shut-in, it was 5 min. late because they were working on mud pump.

Tool Sample: 0% Gas 13% Oil 38% Water 49% Mud

Gravity: 27.6 @ 60 °F

Ph: 7.0

Measured RW: .62 @ 68 degrees °F

RW at Formation Temp: 0.349 @ 126 °F

Chlorides: 39,000 ppm



Company: Ritchie Exploration,

Formation: Spergen

Inc.

Lease: Anderson-Schwartz

Trust #1

DST#6

SEC: 32 TWN: 19S RNG: 30W

County: LANE State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 12

Elevation: 2927 EGL

Field Name: Sutton Township

Pool: Infield Job Number: 312

March

2019

Test Interval: 4634 -

Total Depth: 4648'

4648'

Time On: 23:12 03/12

Time Off: 08:31 03/13

Time On Bottom: 01:56 03/13 Time Off Bottom: 05:01 03/13

Down Hole Makeup

Heads Up: 9.08 FT

Packer 1: 4629 FT

Drill Pipe: 4424.3 FT

Packer 2: 4634 FT

ID-3 1/2

Top Recorder: 4618.42 FT

Weight Pipe: 0 FT

· •

ID-2 7/8

Bottom Recorder: 4636 FT

Collars: 186.21 FT

Well Bore Size: 7 7/8

ID-2 1/4

Surface Choke: 1"

Test Tool: 33.57 FT

Bottom Choke: 5/8"

ID-3 1/2-FH

Jars

Safety Joint

Total Anchor: 14

Anchor Makeup

Packer Sub: 1 FT

Perforations: (top): 0 FT

4 1/2-FH

Change Over: 0 FT

Drill Pipe: (in anchor): 0 FT

ID-3 1/2

Change Over: 0 FT

Perforations: (below): 13 FT

4 1/2-FH



Company: Ritchie Exploration,

Inc.

Lease: Anderson-Schwartz

Trust #1

SEC: 32 TWN: 19S RNG: 30W County: LANE

State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 12

Elevation: 2927 EGL

Field Name: Sutton Township

Pool: Infield Job Number: 312

DATE March 12 2019

DST #6 Formation: Spergen Test Interval: 4634 -Total Depth: 4648' 4648'

Time On: 23:12 03/12 Time Off: 08:31 03/13

Time On Bottom: 01:56 03/13 Time Off Bottom: 05:01 03/13

Mud Properties

Chlorides: 4,000 ppm Mud Type: Chemical Weight: 8.9 Viscosity: 52 Filtrate: 8.0



Company: Ritchie Exploration,

Inc.

Lease: Anderson-Schwartz

Trust #1

SEC: 32 TWN: 19S RNG: 30W County: LANE

State: Kansas

Drilling Contractor: WW Drilling, LLC -

Rig 12

Elevation: 2927 EGL

Field Name: Sutton Township

Pool: Infield Job Number: 312

DATE March 12 2019

Total Depth: 4648' DST #6 Formation: Spergen Test Interval: 4634 -

4648'

Time On: 23:12 03/12 Time Off: 08:31 03/13

Time On Bottom: 01:56 03/13 Time Off Bottom: 05:01 03/13

Gas Volume Report

1st Open				
Time	Orifice	PSI	MCF/D	Time

2nd Open			
Time	Orifice	PSI	MCF/D